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Identifies 153 recent statewide and intrastate interinstitutional studies concerned with advance planning for higher education: 81 continuing staff studies; 72 special studies—all initiated or completed (or both) during the 1956–1959 quadrennium. The studies were authorized by governors, State legislatures, legislative commissions, and governing boards to appraise the status of higher education in existing institutions and to protect the need for expansion and enrichment of programs to meet the requirements of a rapidly increasing enrollment. The studies vary widely in character, comprehensiveness, and explicitness of recommendation; some were restricted in scope because of financial and staff limitations.

Part I describes the types of studies conducted, institutions included, and sponsoring agencies; discusses funds authorized for the studies; and analyzes the comprehensiveness of the studies. Part II presents an analytic tabulation of the basic data.

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Advance Planning To Meet Higher Education Needs

Recent State Studies 1956-1959

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Highlights

This survey identifies 153 recent statewide and intrastate interinstitutional studies concerned with advance planning for higher education.

✦ ✦ ✦

These studies, of which 81 were continuing staff studies and 72 were special studies, were initiated or completed (or both) during the 1956–1959 quadrennium.

✦ ✦ ✦

Current data indicate that interinstitutional studies of higher education are increasing in number and that more States are carrying on such studies, especially continuing staff studies.

✦ ✦ ✦

State legislative actions give rise to many statewide and intrastate studies of higher education. In 1957 and 1958, 23 States and the Commonwealth of Puerto Rico passed legislation authorizing studies of higher education needs.

✦ ✦ ✦

Many studies concerned with advance planning for higher education were also initiated by boards of regents, higher education councils, governors' committees and commissions, State boards of education, and other bodies.

✦ ✦ ✦

Interinstitutional studies of higher education vary widely by types of institutions included and the major problem areas considered.

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Advance Planning To Meet Higher Education Needs

Recent State Studies 1956-1959

Circular No. 633

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Foreword

THIS PUBLICATION presents an account of recent statewide and interstate studies designed to further advance planning in higher education. It updates information of this type last reported by the Office of Education in 1956.

These interinstitutional studies were authorized by governors, State legislatures, legislative commissions, and governing boards to appraise the status of higher education in existing institutions and to project the need for expansion and enrichment of programs to meet the requirements of a rapidly increasing enrollment. The studies vary widely in character, comprehensiveness, and explicitness of recommendation; some were restricted in scope because of financial and staff limitations. Nevertheless, the studies have had and are having a powerful and salutary influence on the development of higher education.

During the present decade, colleges and universities, both public and private, have begun to feel powerful pressures to increase the quality of higher education while doubling the quantity of it. The demands for rehabilitating and expanding the physical plant and other capital facilities also come at a time when current operating budgets must be expanded. Under these circumstances, the Office of Education believes publication of this bulletin may be helpful to many groups who are responsible for financing and directing the course of higher education in the years ahead.

HOMER D. BABBIDGE, JR.
Assistant Commissioner for Higher Education

ERNEST V. HOLLIS, *Director*
College and University Administration Branch

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The authors wish to acknowledge the cooperation of all who assisted in the preparation of this bulletin. Particular recognition is given to the executive officers of State boards of higher education, officials in State departments of education, and others in the various States who took the time to verify the accuracy and completeness of the tabular data developed by this Office.

Introduction

THIS SURVEY report consists of two parts: Part I, Advance Planning for Higher Education: An Analysis of Recent Studies, which includes the textual material and three accompanying tables; and Part II, which presents a comprehensive analysis of the data in tabular form.

The content of the report is derived from data obtained from the analysis of 153 interinstitutional higher education studies initiated or completed during the 1956–59 quadrennium. These statewide and intrastate studies have been concerned with the identification of higher education needs and with planning to meet these needs. In the analysis of the studies, attention has been given to the type and purpose of the study, manner of authorization, sponsoring agency, institutions covered, funds provided for conducting the study, person in charge of the study, problem areas treated, and the availability of published reports.

The urgent need for higher education studies such as those reported herein becomes especially apparent with the realization that the most widely and confidently forecast tidal wave in all history is not a physical but a human phenomenon. Based on accurate population data, it is estimated that the demand for enrollment in higher education institutions in this country will double within this decade. The true import of this anticipated phenomenal increase in students can best be appreciated when viewed in terms of its impact upon the organization, physical plant, financing, faculty, curricula, and other significant areas with which higher education is concerned.

In this situation, what courses of action are possible? First, we can turn away a larger number of applicant students from our college doors, making it relatively more difficult for an individual to secure a college education. Second, we can accommodate the increased numbers without a commensurate increase in educational resources, with a consequent decline in educational quality. Third, we can provide increased educational resources to accommodate the increased numbers, thereby maintaining and, hopefully, increasing educational quality.

Certainly, it is hoped that the third course of action will be the one pursued. But this will not occur as a matter of course. The public must be made aware of the issues at stake. Colleges and universities themselves must give careful, considered study to the problems confronting them, both today and in the years ahead. Continued appraisal of these problems must be made, both in their relationships to individual institutions and to numbers of institutions considered collectively. Finally, action programs designed to meet the increased needs of post-high school education, based on the findings of higher education studies, should be instituted and given adequate support from all proper sources.

PART I

Advance Planning for Higher Education:
An Analysis of Recent Studies

THE PROBLEMS confronting higher education in America today are many, and vary widely in their difficulty and complexity. By and large, these problems are closely interrelated and intertwined. The question of financing higher education, for example, involves the consideration of such matters as physical facilities, student housing, faculty salaries, and curricular and research programs.

Henry T. Heald, President of the Ford Foundation, recently observed that "education is now the indispensable medium for survival and progress." [1] However, he added that "total preoccupation with immediate solutions to educational and other problems often results in a patchwork no more enduring than the alarmed outburst created by the issue." [2]

To avoid being continually in such a "patchwork" condition and "catching-up" process, higher education must plan ahead, striving to find solutions to its problems, not after they arise, but before they are spawned. In effect, adequate advance planning serves to prevent such problems from occurring, in many instances, at least.

What is currently being done at State levels to make adequate provision for higher education in America? To answer this question, the Division of Higher Education of the U.S. Office of Education has made this survey and analysis of recent interinstitutional studies of present and future higher education needs and of advance planning to meet those needs. The survey reports those studies initiated or completed during the period 1956–1959 inclusive, and brings up to date information from an earlier Office of Education survey, made in 1955, the findings of which were reported in the March 1956 issue of *Higher Education*.[3]

The 1955 survey showed that approximately one-fourth of the States had made no interinstitutional studies of higher education since 1950. Only six States appeared to have comprehensive plans under way to deal with the mounting problem of higher education enrollments. A primary purpose, therefore, of the current survey was to ascertain whether or not a more favorable report could be made of advance planning for higher education for the period 1955–1959 than for 1950–1955.

Higher Education Studies Authorized by State Legislation

State legislative actions give rise to many statewide and interinstitutional studies of higher education. Recent analyses of State legislation relating to higher education reveal that, during the fiscal year 1957, 13 States enacted legislative measures authorizing studies of higher education needs; in the fiscal year 1958, 13 States and the Commonwealth of Puerto Rico enacted similar legislation.[4] Three of the States enacting such legislation in 1958 were also among the 13 States taking similar action in 1957, making a total, during the fiscal years 1957 and 1958, of 23 States and Puerto Rico whose legislative bodies made provision for such studies. These States were Alabama, Arizona, California, Colorado, Georgia,

[1] The Ford Foundation Annual Report, 1959, p. 9.
[2] *Ibid.*, p. 11.

[3] Ernest V. Hollis and S. V. Martorana, Advance Planning for Higher Education in the United States, *Higher Education*, Vol. 12, No. 7 (March 1956), p. 101–108.
[4] Ernest V. Hollis, William G. Land, and S. V. Martorana, *Survey of State Legislation Relating to Higher Education*, Office of Education Circular No. 511, 1957, p. 4–5; Circular No. 552, 1959, p. 4–5.

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Illinois, Kansas, Louisiana, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, New York, North Dakota, Oregon, Rhode Island, Texas, Utah, Virginia, Washington, and West Virginia. In two other States, during the same period, legislation of this nature was proposed, but no laws were enacted.

States Conducting Recent Higher Education Studies

During the period 1956–1959, 153 interinstitutional studies of higher education were identified as initiated or completed in 43 States. These are summarized in tabular form in Part II of this report. In the States of Alaska, Delaware, Georgia, Hawaii, Idaho, New Hampshire, and South Carolina, and in the Canal Zone and Guam, no studies of this nature were reported either as completed or under way for the period in question. Of the studies listed in this report as *completed*, 12 were also identified in the earlier (1955) survey as *beginning* or *under way*.

In contrast, similar data from the 1955 survey showed only 49 such studies initiated or completed in 32 States, including Alaska, during the 1950–1955 period. It is thus apparent that higher education studies are increasing in number and that more States are engaging in such studies.

Of the 153 studies reported, 132 studies contained definite information as to the initiating agency. Eighty-seven were initiated through legislative action; 12 by State boards of regents; 11 by State boards (or departments) of education; 15 by higher education councils or commissions; 5 by executive action; and 2 by State education associations.

Types of Studies Conducted

The studies reported in Part II have been classified by type as follows:

Type A.—**Special Studies.** These are studies which were conducted as the result of a special mandate or order from the legislature, governor, special commission, or similar body. They were "one-shot" studies, without planned relationship to prior or subsequent studies of a similar nature, and may be designated by the term *special studies*.

Type B.—**Continuing Staff Studies.** A number of States also reported studies of a continuing nature, and of varying degrees of comprehensiveness, being conducted by agencies established on a permanent basis for this purpose. Such studies, which were coordinated by the staffs of these agencies, were a part of a continuing program of study and planning for higher education in the State, and may be designated as *continuing staff studies*.

Of the studies in process or completed since 1955, 72 were identified as *special studies*, and 81 as *continuing staff studies*. It should be pointed out that, in several instances, a number of studies in the latter category have been done within a relatively brief period of time. Wisconsin, for example, listed 32 studies made by the Joint Staff of the Coordinating Committee for Higher Education, an agency created in 1955 by statutory authorization and charged, among other things, with the responsibility of continuously studying State-supported higher education needs in Wisconsin and recommending legislation necessary to satisfy such needs. Florida listed eight type B studies—six completed and two in process—made by the Board of Control since 1957, while New Mexico reported six such studies made by the Board of Educational Finance since 1956. The Texas Commission on Higher Education—required by statute to make certain specific studies, as well as continuing study of all aspects of senior public higher education in Texas—reported that it had made a wide variety of continuing studies and substudies of higher education during the past 4 years. Several other States reported continuing studies being conducted by agencies specifically established for this purpose.

The action recently taken by a number of States to provide legally established machinery with which to carry on continuing, rather than intermittent, analyses of higher education needs and to promote advance planning designed to meet those needs may be regarded as a healthy sign. According to the findings of a recent study of State boards responsible for public higher education made by the Office of Education, the following States have established statewide coordinating boards for public higher education: Kentucky, New Mexico, North Carolina, Oklahoma, Texas, Utah, Virginia, and Wisconsin.[5] Thirty-seven States have organized governing-coordinating boards which have responsibility for

[5] S. V. Martorana and Ernest V. Hollis *State Boards Responsible for Higher Education*, U.S. Department of Health, Education, and Welfare. (Office of Education Circular No. 619.) Washington: U.S. Government Printing Office, 1960.

the control of all public higher education institutions, as in Georgia, or of a segment of the public higher education institutions in the State, as in the case of the teachers colleges of Minnesota. The central office staffs of such coordinating and governing-coordinating boards carry on continuing studies of higher education as a part of their regular program.

Institutions Included

Of the 153 studies identified in the 1959 survey, 40 included both public and nonpublic higher education institutions. In contrast, 72 of the studies covered all public higher education institutions only. Ten studies included community-junior colleges or vocational-technical institutions, while seven were specifically concerned with professional schools of education, pharmacy, dentistry, forestry, or art. State university systems were considered in five studies, and a group of six independent liberal arts colleges in one study.

The pattern of recent interinstitutional higher education studies, based on the foregoing analysis of institutions covered, reveals a broad range in the scope of such studies. In some instances, the coverage has been fairly complete; in others, certain institutions or groups of institutions have been outside the scope of the studies; in still others, the studies have been quite restricted in their coverage.

Sponsoring Agencies

The agencies reported in Part II as sponsors of higher education studies vary significantly as to type. The following constitute the principal sponsoring agencies: State councils, commissions, and committees on higher education; regents' committees; legislative councils, commissions, and committees; community and junior college councils; State boards of education; university boards of trustees; governors' commissions and committees; coordinating boards of higher education; boards of control; boards of educational finance; independent college associations; and civic and professional organizations.

Table 1 presents a classification of the types of agencies which sponsored the 153 higher education studies, together with the number of special and continuing studies sponsored by each type of agency. The principal sponsoring agencies of the higher education studies reported in the 1959 survey were coordinating boards of higher education (33 studies) and State legislative councils or commissions (26 studies). Other agencies sponsoring sizable numbers of studies were boards of regents of higher education institutions (18 studies), State Boards of education (15 studies), and State commissions or councils of higher education (13 studies).

Table 1.—Agencies sponsoring higher education studies, by type and number of studies

Sponsoring Agency	Special studies [1]	Continuing staff studies [2]	Total
Total	**72**	**81**	**153**
Coordinating Boards of Higher Education	1	32	33
Legislative Commissions or Councils	24	2	26
Boards of Regents of Higher Education Institutions	6	12	18
State Boards of Education	10	5	15
State Commissions or Councils of Higher Education	7	6	13
Boards of Control of Higher Education Institutions	------	8	8
University Boards of Trustees	3	------	3
Boards of Educational Finance	------	6	6
Councils of State College Presidents	1	4	5
Community-Junior College Councils	3	------	3
Governors' Commissions and Committees	2	------	2
State Education Associations	2	------	2
Independent College Associations	1	------	1
Civic and Professional Associations	1	------	1
Other	11	6	17

[1] Studies conducted as the result of a mandate or authorization from the legislature, governor, special commission, or similar agency.

[2] Studies made as part of an ongoing program of study and planning for higher education, conducted by agencies specifically established for this purpose, and coordinated by the staffs of these agencies.

Funds Authorized for Studies

Table 2 gives a comparative breakdown of the amount of funds authorized for the 35 studies for which such data were reported in the 1959 survey and for the 20 studies for which such data were reported in the 1955 survey. Roughly speaking, the amounts of funds authorized for the studies reported in the 1959 survey and for those reported in the 1955 survey fall into a similar range pattern. For example, approximately 17 percent of the 35 studies reported in the 1959 survey fall within the $3,000–$10,000 range; 14 percent are in the $10,000–$25,000 range; 31 percent are in the $25,000–$50,000 range; 29 percent are in the

$50,000–$100,000 range; and 9 percent are in the $100,000–$300,000 range. Percentage groupings for the 20 studies reported in the 1955 survey, using the same range spreads, are, respectively: 15 percent; 15 percent; 30 percent; 30 percent; and 10 percent.

A factor influencing the comparison of the "funds provided" data reported in the two surveys is that 7 of the 20 studies reported in the 1955 survey were also reported in the 1959 survey. In the earlier survey, these seven studies were reported as *beginning* or *under way*, while, in the 1959 survey, they were reported as *completed*. In a number of instances where the amount of funds authorized was not reported, reference was made to contributed services supplied by various agencies or individuals. Similar references were made in some cases where the amount of funds available *was* specified.

Table 2.—Amount of funds provided for higher education studies as reported for the 1955 and 1959 surveys

Amount	Number of studies in—	
	1955 Survey [1]	1959 Survey
$3,000–$5,000	3	2
$5,000–$10,000		4
$10,000–$25,000	3	5
$25,000–$50,000	6	11
$50,000–$75,000	3	6
$75,000–$100,000	3	4
$100,000–$150,000	1	
$150,000–$200,000		2
$200,000–$250,000		
$250,000–$300,000	1	1
Total	20	35

[1] Seven of the studies reported in the 1955 survey column are also reported in the 1959 survey column. These seven studies were in a *beginning* or *under way* status at the time of the earlier survey.

Of the 35 studies for which the amount of funds authorized was reported in the 1959 survey, 30 (86 percent) were Type A studies. This may be explained by the fact that, ordinarily, specific monetary allocations are made for specially authorized studies. On the other hand, funds for making continuing staff studies are usually a part of a larger assignment within the operating budget of statewide boards and, therefore, cannot be separately identified.

It should be emphasized that higher education studies, if adequately and competently done, require sizable outlays of money and commitments of staff. Too frequently have those persons engaged in such studies been forced to curtail or limit their efforts because of insufficient funds with which to operate. In many instances, the fragmentary, piecemeal production resulting from this condition has been insufficient to stimulate much-needed action programs.

Comprehensiveness of Studies

As reported earlier, the analysis of recent State higher education studies disclosed a wide variation in their scope. In some instances, *all* higher education institutions were included in the study; in others, public higher education only was included; some studies considered only privately supported higher education institutions; some others were concerned with problems of the junior college. Some studies were statewide in their coverage of institutions; others included those institutions located within a well-defined, compact area; some covered groups of institutions more or less geographically dispersed within the State.

A picture of the comprehensiveness of recent higher education studies is shown in table 3. Of the 109 studies reported in this table, 60 (55 percent) considered five or more major problem areas. Of these 60 studies, 28 treated seven problem areas, 20 considered six problem areas, and 12 were concerned with five problem areas.

Of the 49 studies reported in the 1955 survey, 21 (or approximately 43 percent) considered five or more problem areas. Four of the 21 investigated seven problem areas, 6 were concerned with six problem areas, and 11 dealt with five problem areas. A comparison of these data with those from the analysis of the 109 studies in the 1959 survey discloses an increasing tendency to make such studies more comprehensive in scope. This is especially true of the Type A studies.

It should also be pointed out that, in a number of instances, more than one study has been in progress within a given State at a given time, and that these simultaneous studies, when considered together, demonstrate a broad coverage of higher education problems. This fact is particularly applicable to the continuing staff studies.

Table 3 also shows the frequency with which *specific* problem areas have been treated in the 109 higher education studies. On the basis of frequency of consideration, the problem of enrollments ranks at the top of the list. No less than

91 of the reported studies in the 1959 survey dealt with this critical issue. Next in frequency of consideration was the problem of curricular programs (80), followed by finance (75), physical facilities (72), organization and administration (62), junior college (61), and faculty (60).

As stated earlier in this report, the problem areas of higher education are interrelated and intertwined; for this reason, the consideration of one area frequently involves the examination of another area or areas. Certainly, the question of higher education enrollments has loomed larger

Table 3.—Comprehensiveness of recent higher education studies [1]

State	Number of studies	Number of problem areas covered							Number of studies treating specific problem areas						
		One	Two	Three	Four	Five	Six	Seven	Enrollment	Organization and administration	Finance	Physical facilities	Program	Faculty	Junior college
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Total	**109**	**11**	**14**	**9**	**15**	**12**	**20**	**28**	**91**	**62**	**75**	**72**	**80**	**60**	**61**
Alabama	1						1		1	1	1	1	1	1	
Arizona	1					1			1	1	1		1		1
Arkansas	3	1	2						2	1		2			
California	3				1			2	3	2	2	2	3	3	3
Colorado	6		2		3	1			3	3	3	1	4	3	3
Connecticut	3	1				1	1		3	2	2	2	2		1
Florida	10		4	2	3			1	9	3	5	2	4	4	6
Illinois	4				2	1		1	3	3	4	3	3	1	3
Indiana	3		1		1		1		3		2	2	1	2	2
Iowa	2			1				1	2	1	2	1	1	1	2
Kansas	1							1	1	1	1	1	1	1	1
Kentucky	1		1						1						1
Louisiana	3						2	1	3	3	3	3	3	3	1
Maine	1						1		1	1	1	1	1	1	
Maryland	1							1	1	1	1	1	1	1	1
Massachusetts	2					1	1		2	2	1	2	2	1	1
Michigan	5		1	2	1			1	4	3	1	3	5	2	1
Minnesota	3				1			2	3	3	3	2	2	2	3
Mississippi	4		2				2		4	2	2	2	4	2	
Missouri	1			1					1			1		1	
Montana	1							1	1	1	1	1	1	1	1
Nebraska	1							1	1	1	1	1	1	1	1
Nevada	1						1		1	1	1	1	1	1	
New Jersey	2						2		2		2	2	2	2	2
New Mexico	7	2		2	2		1		4	2	5	3	4	3	1
New York	7				1	2		4	7	4	7	7	7	6	4
North Carolina	1	1											1		
North Dakota	1							1	1	1	1	1	1	1	1
Ohio	2							2	2	2	2	2	2	2	2
Oklahoma	1	1									1				
Oregon	2					1	1		2	1	2	2	2	2	
Pennsylvania	3	1						2	2	2	2	2	3	2	2
Rhode Island	2					1	1		2	1	2	2	2		2
South Dakota	1							1	1	1	1	1	1	1	1
Tennessee	1						1		1	1	1	1	1	1	
Texas	1						1		1	1	1	1	1		1
Utah	1					1			1		1	1		1	1
Vermont	1						1		1	1		1	1	1	1
Virginia	4	2					2		2	2	3	3	2		2
Washington	4		1	1				2	3	3	2	2	3	2	4
West Virginia	1							1	1	1	1	1	1	1	1
Wisconsin	3	2						1	1	1	1	3	1	1	1
Wyoming	2					1		1	2	1	2	2	2	1	2
Puerto Rico	1					1			1	1			1	1	1

[1] In only 109 of the 153 studies identified in the survey were the available data sufficient to permit reporting in table 3.

and larger during the past few years. It is not surprising, therefore, to find this problem receiving broad consideration in current higher education studies. Nor is it surprising to find the areas of finance, curricular program, and capital plant being given increased attention.

One might question the relative lack of attention being given to the problem of faculty needs, particularly in view of the fact that, in the 1955 survey, this problem area also ranked at the bottom of the list in respect to frequency of consideration in higher education studies. Also, the consideration given to problems of higher education organization and administration has declined in current studies (1956–1959), as compared with that in earlier studies (1950–1955). On the other hand, the consideration given to plant facilities, which ranked in last position (with consideration of faculty needs) in studies reported in the earlier survey, shows a marked increase in studies reported in the current survey.

Conclusion

State studies designed to disclose current and future needs in higher education, and to make adequate provision for meeting those needs, have increased in number and scope during recent years. At the same time, various forces have operated to increase the complexity of the problems of higher education. The paramount question at issue, then, appears to be: In the face of the increased complexity and gravity of the problems confronting higher education today and in the foreseeable future, do recent higher education studies, by virtue of their increased number and comprehensiveness, seem sufficient to place higher education in a "moving-ahead," rather than in a "catching-up," position? As of this moment, the answer to this question is "No."

There is still much to be done by way of making complete analyses—both diagnostic and prognostic—of the problems of higher education, in determining proper solutions to these problems, and in establishing the necessary machinery to effect the solutions determined. Broader, more comprehensive studies are needed to close gaps and to examine neglected problem areas; provision should be made for enlarged and increased programs of continuing staff studies.

Such studies must be adequately financed and staffed. John K. Folger, Associate Director for Research, Southern Regional Education Board, speaking at the Fifteenth National Conference on Higher Education in Chicago, pointed out that one reason why research in higher education has not flourished is lack of sufficient funds. And, without sufficient funds, it is impossible to secure a competent staff of adequate size to conduct such studies, or to give proper consideration to all areas requiring study. The benefits accruing from well-organized and well-developed study programs for advance planning in higher education, conducted by adequate and competent staffs, will more than offset the cost of implementing such programs. On the other hand, programs which are insufficiently underwritten are usually "penny-wise and pound-foolish".

Suitable publicity should be given to studies contemplated or in progress, in order that all interested individuals and agencies may be properly informed. This should make possible a better coordination of different studies within a State or area, more nearly insure the broadest total coverage of problem areas, and prevent unnecessary duplication of effort. Moreover, an action program is much more likely to result from a study when these conditions are operative.

Most States need to give increased attention to the problems and needs of higher education, both on a current and a long-range basis. Only a few are geared to do this on a continuing basis. While many others have taken initial steps toward determining future demands on their educational systems and planning to meet these demands, the general picture is still one to cause concern. The findings of statewide and intrastate higher education studies should be thoroughly examined to ascertain their implications for higher education in the individual States concerned; moreover, comparative analyses should be made of the findings of studies from different States, where these studies consider similar problem areas. The two proposals embodied in the last statement are also applicable to those State and area studies made of private higher education institutions by

religious agencies, as well as to studies made by various other organizations.

These suggestions constitute some of the more essential prerequisites to divesting higher education of a patchwork attire in advance planning and clothing it in more fitting and becoming garments. Concerted energies to extend inter-institutional planning among both private and public higher education institutions remain an urgent need throughout the Nation.

PART II.—State Studies for Advance Planning in Higher

Stated purpose	Type of study		Date authorized	How authorized	Status (as of Jan. 1960)	Institutions included	Auspices of study	
	A [1]	B [2]					Sponsoring agency	Name and title of person in charge
1	2	3	4	5	6	7	8	9
				ALABAMA				
Comprehensive study of higher education	X	.....	1957	Legislative action (Act 371, H.B. 79, 1957 Legis. Sess.)	Completed 1959	Public higher education (9 institutions)	Alabama Education Commission (Committee on Higher Education)	D. P. Culp, Executive Director
				ARIZONA				
Survey junior colleges and related programs for State of Arizona	X	.....	1958	Legislative action (H.B. 238, 23d Legis., 2d Reg. Sess.)	Completed 1958	Public junior colleges	Junior College Survey Committee	Frank B. Lindsay, Director
				ARKANSAS				
Survey public higher education facilities in the State	X	.....	1957	By action of public higher education institutions	Completed 1957	Public higher education	Arkansas College President's Association	Francis G. Cornell (Engelhardt, Engelhardt, Leggett & Cornell)
Review findings of 1949 study and conduct additional studies of higher education	X	.....	1959	General Assembly	In process	do	Arkansas Legislative Council	Marcus Halbrook, Director, Legislative Council
Study long-range need for classrooms	X	.....	1959	do	do	do	do	do
				CALIFORNIA				
Study need for additional centers of public higher education	X	.....	1956	Regents of University of California; State Board of Education	Completed 1957	Public higher education	Regents of University of California; State Board of Education	H. H. Semans, Specialist in Higher Education; T. C. Holy, Special Consultant in Higher Education
Study faculty demand and supply in higher education 1957–1970	X	.....	1957	do	Completed 1958	All higher education	do	do
A master plan for the development, expansion, and integration of the facilities, curriculum and standards of higher education in junior colleges, University of California, and other institutions of higher education of State, to meet needs of the State through 1970 and beyond	X	.....	1959	Requested by Legislature (Assembly Concurrent Res. 88, 1959) and established by Liaison Committee	Nearly completed (1959)	Public higher education	Liaison Committee of the Regents of the University of California and the State Board of Education	Master Plan Survey Team: Arthur G. Coons, Chairman

See footnotes at end of table.

Education, 1956–1959: Analytical tabulation of basic data

Financing of study		Areas covered by study								Report of study			
Financing agency	Amount of funds available [3]	Enrollment	Organization and administration	Finance	Physical facilities	Program	Faculty	Junior college	Other	Date published	Publishing agency	Report available	
												Yes	No
10	11	12	13	14	15	16	17	18	19	20	21	22	23
ALABAMA													
State and State colleges	$50,000 for all educational levels; $8,200 (to supplement cost of higher education study)	X	X	X	X	X	X	.....	Elementary and secondary education	1959	Alabama Education Commission	X	.....
ARIZONA													
State.....	$30,000	X	X	X	.....	X	.....	X	.....	1958	Junior College Survey Committee	X	.....
ARKANSAS													
Arkansas Public Higher Institutions	Unknown—(University of Arkansas contributed $5,000)	X	.....	.....	X	.....	.....	.....	.....	1958	Engelhardt, Engelhardt, Leggett & Cornell	.....	X
Arkansas Legislative Council	.....do.....	.....	X	.....	.....	.....	.....	.....	Coordination of higher education	.....	.....	.....	X
.....do.....	Unknown.....	X	.....	.....	X	.....	.....	.....	.....	.....	.....	.....	X
CALIFORNIA													
State.....	.....	X	X	X	X	X	X	X	.....	1957	State Department of Education	X	.....
.....do.....	.....	X	.....	.....	.....	X	X	X	.....	1958	University of California; State Department of Education	X	.....
.....do.....	State Department of Finance allocated $21,000; sponsoring agencies provided personnel and facilities	X	X	X	X	X	X	X	Selection, retention of students; adult education	1960	.....do.....	.....	.....

PART II.—State Studies for Advance Planning in Higher

Stated purpose	Type of study		Date authorized	How authorized	Status (as of Jan. 1960)	Institutions included	Auspices of study	
	A [1]	B [2]					Sponsoring agency	Name and title of person in charge
1	2	3	4	5	6	7	8	9
	COLORADO							
Study finances and enrollments at all school levels	X	.....	[4] 1955	Legislative action (H. J. Res. 8, 1955)	Completed 1956...	All public education (Research Publication 17-2 covers higher education)	State Legislative Council (Committee on Education)	John G. Mackie, Chairman, Temporary Subcommittee on Higher Education
Study education beyond the high school	X	.....	1958	Legislature (H. J. Res. 6)	.....	.....	Legislative Council (Joint Legislative Committee)	.....
	X	.....	1958	Legislative action (S.B. 25)	.....	All higher education	Legislative Council (Committee of 12)	.....
Study education beyond the high school	X	.....	1959 and 1960	House Joint Resolution 4	In process.....	.....do.....	Legislative Committee (9 legislators); Advisory committee of 15 members	Senator Roy H. McVicker, Chairman
Analysis of instructional programs of State colleges and universities	.....	X	1956-59	Association of State-supported Institutions of Higher Education	Completed 1955-56, 56-57, 57-58, 58-59	State-supported colleges and universities of Colorado	Association of State-supported Institutions of Higher Education	James I. Doi, Director of Studies
Analysis of finances of colleges and universities of Colorado	.....	X	1957-59	.....do.....	Completed 1956-57, 57-58, 58-59, 59-60	.....do.....	.....do.....	.....do.....
	CONNECTICUT							
Study postsecondary education	X	.....	[4] 1955	Legislative action (H. J. Res. 123, 1955)	Completed 1957...	All higher education	Trustees, University of Connecticut; State Board of Education (Liaison Committee)	.....
Study of need for technical institutes	X	.....	.....	.....	.....do.....	Technical Institute (Hartford)	State Board of Education	Gordon M. Harrington
Study of accommodations for future college enrollments (through 1965)	X	.....	.....	.....	Completed 1959...	All higher education	State Department of Education	Mowat G. Fraser, Chief, Bureau of Higher and Adult Education

See footnotes at end of table.

Education, 1956–1959: Analytical tabulation of basic data—Continued

Financing of study		Areas covered by study								Report of study			
Financing agency	Amount of funds available [3]	Enrollment	Organization and administration	Finance	Physical facilities	Program	Faculty	Junior college	Other	Date published	Publishing agency	Report available	
												Yes	No
10	11	12	13	14	15	16	17	18	19	20	21	22	23
COLORADO													
State		X	X	X		X		X	Coordination of higher education	1956	Legislative Council, State Capitol, Denver	X	
do	$20,000		X					X					
do	$35,000	X	X			X		X	Standards, scholastic achievement, counseling, grants-in-aids; fellowships, etc.	1959	Legislative Committee	X	
do				X	X		X						
State colleges and universities	By staff					X	X (load)			1957-59	Association of State Colleges and Universities	X (limited)	
do	do	X		X		X	X (salaries)			1958 and 1959	do	X (limited)	
CONNECTICUT													
		X	X	X	X	X		X		1957	State Board of Education; Board of Trustees, University of Connecticut	X	
		X	X	X	X	X					State Department of Education	X	
		X								1959	do	X	

PART II.—State Studies for Advance Planning in Higher

Stated purpose	Type of study		Date authorized	How authorized	Status (as of Jan. 1960)	Institutions included	Auspices of study	
	A [1]	B [2]					Sponsoring agency	Name and title of person in charge
1	2	3	4	5	6	7	8	9
				FLORIDA				
	X		[4] 1953		Completed 1956	All higher education	Council for the Study of Higher Education	A. J. Brumbaugh, Director of Study
Plan for establishment and coordination of community colleges	X		[3] 1955	Legislative action.	Completed 1957	2-year community colleges	Community College Council	James L. Wattenbarger, Director, Community College Council
Provide information re: cost of services performed by State University System		X	1956	Legislative action (Statutes, Section 240.11)	Completed 1957	State University System	Board of Control	Myron R. Blee, Director of Research
To provide basic information relating to collegiate enrollments		X	1957	Legislative action.	Completed 1958	All higher education	do	do
Do		X	1958	do	Completed 1959	do	do	do
Do		X	1959	do	In process	do	do	do
Provide information re: cost of services performed by State University System		X	1958	do	Completed 1959	State University System	do	do
Do		X	1959	do	In process	do	do	do
To identify amount of available instructional space and extent of utilization		X	1958	do	Completed 1959	do	do	do
To provide information relative to fall 1959 college attendance plans of junior college students		X	1959	do	Completed 1959	Public junior colleges	do	do
				ILLINOIS				
Survey higher education problems brought about by increased enrollments	X		[3] 1955	Legislative action (S.B. 260, 1955)	Completed 1957	All higher education	Higher Education Commission	Donald M. Mackenzie, Staff Director; Lenox R. Lohr, Chairman
Analyze present and future aims, needs and requirements of higher education. (Report required annually by law.)		X	1957	Legislative action (S.B. 547, 1957)	Completed 1959 (Annual Report 1958)	do	Commission of Higher Education	Lenox R. Lohr, Chairman; Robert Johns, Director, Illinois Commission of Higher Education
To recommend plan for unified administration of all State-controlled institutions of higher education		X	1959	Legislative action (S.B. 547 amended)	In process	All public higher education	do	Fred W. Heitmann, Jr., Chairman; Robert Johns, Director
Identify internal operational practices and procedures which appear to lend themselves to further interinstitutional cooperation to achieve: (1) savings in cost; (2) greater efficiency of operation; (3) development of new teaching tools and techniques; (4) enhancement of the effectiveness of the academic program	X				Completed 1959	Six independent liberal arts colleges	Associated Colleges of Illinois	Irwin K. French, Executive Director, National Federation Consulting Service

See footnotes at end of table.

Education, 1956–1959: Analytical tabulation of basic data—Continued

Financing of study		Areas covered by study								Report of study			
Financing agency	Amount of funds available [1]	Enrollment	Organization and administration	Finance	Physical facilities	Program	Faculty	Junior college	Other	Date published	Publishing agency	Report available	
												Yes	No
10	11	12	13	14	15	16	17	18	19	20	21	22	23
FLORIDA													
State	$80,000	X	X	X	X	X	X	X	Florida's economy		Board of Control; Higher Education Institutions	X	
do	$60,000		X	X				X		1957	State Department of Education	X	
do		X		X		X	X			1957	Board of Control Higher Education Institutions	X	
do		X						X		1958	Board of Control		X
do		X						X		1959	do	X	
do		X						X			do		X
do		X		X		X	X			1959	do	X	
do		X		X		X	X			1959	do		X
do		X	X		X					1959	do	X	
do		X						X		1959	do		X
ILLINOIS													
do	$60,000	X		X	X			X	Coordination and control; scholarship program	1957	Illinois Commission of Higher Education	X	
do	$90,000 (biennium)	X	X (coordinating structure)	X		X (selected areas)		X	Entrance requirements	1959	do	X	
do	$150,000 (biennium)	X	X	X	X	X	X	X					
Associated Colleges of Illinois and Lilly Endowment, Inc.			X	X (fiscal operation)	X (operation maintenance)	X (nonacademic)			Student loans (NDEA); nonacademic personnel	1959	National Federation Consulting Service	X	

PART II.—State Studies for Advance Planning in Higher

Stated purpose	Type of study		Date authorized	How authorized	Status (as of Jan. 1960)	Institutions included	Auspices of study	
	A [1]	B [2]					Sponsoring agency	Name and title of person in charge
1	2	3	4	5	6	7	8	9
				INDIANA				
To arrive at the total monetary requirement of public higher education and its equitable distribution among the four State institutions	.....	X	[4] 1949	Stated in Appropriations Act of the State of Indiana	Completed every 2 years	Four State institutions of higher education	Cooperative project by the four State institutions	The presidents of the four State institutions have final authority and responsibility
Study higher education enrollments	.....	X	[4] 1953	Action by Indiana Conference of Higher Education	Completed 1955	All higher education	Enrollment Study Committee	N. M. Parkhurst, Chairman
Survey capital, operating, personnel, and curriculum needs of higher education	.....	X	1957	Indiana Conference of Higher Education	Completed 1957	.....do.....	Executive Committee, Indiana Conference of Higher Education	Russell Humbert, President
				IOWA				
Outline need of increased financial support of public junior colleges	X	.....	.....	.....	Completed 1956	Public junior colleges	Iowa Junior College Association	E. J. Aalberts, President
Comprehensive study of needs and facilities available for higher education in Iowa	X	.....	1959	58th General Assembly	In process.....	Public and private colleges, universities, and junior colleges	Legislature	C. L. Ringgenberg, Director, Legislative Research Bureau
				KANSAS				
Comprehensive survey of Kansas educational system	X	.....	1958	Legislative action.	In process	All higher education	Legislative Council (Education Committee)	Robert J. Keller, Director, Higher Education Study
				KENTUCKY				
Report 1957 high school graduates who attended college	.....	X	1957	Through Kentucky Council on Public Higher Education	Completed 1958...	All senior high schools	Kentucky Council on Public Higher Education	James L. Miller, Jr., Executive Director
Projection of Kentucky college enrollments through 1970	.....	X	1957	.....do	Completed 1958...	All higher education	.....do.....	.....do .....

See footnotes at end of table.

Education, 1956–1959: Analytical tabulation of basic data—Continued

Financing of study		Areas covered by study								Report of study			
Financing agency	Amount of funds available [3]	Enrollment	Organization and administration	Finance	Physical facilities	Program	Faculty	Junior college	Other	Date published	Publishing agency	Report available	
												Yes	No
10	11	12	13	14	15	16	17	18	19	20	21	22	23
INDIANA													
Individual institutions' general funds	No stated amount. Varies from year to year	X		X	X		X		The total cost by level of instruction	Not published			X
		X						X		1955	Indiana Conference of Higher Education	X	
		X		X	X	X	X	X		1957	do	X	
IOWA													
		X		X				X		1956	Iowa Junior College Association	X	
State	$25,000 (biennium 1959–61)	X	X	X	X	X	X	X					
KANSAS													
State	$50,000	X	X	X	X	X	X	X	Elementary and secondary	1960	Legislative Council Committee on Education		
KENTUCKY													
									Senior high school graduates 1957	1958	Kentucky Council on Public Higher Education	X	
		X						X		1958	do	X	

PART II.—State Studies for Advance Planning in Higher

Stated purpose	Type of study		Date authorized	How authorized	Status (as of Jan. 1960)	Institutions included	Auspices of study	
	A [1]	B [2]					Sponsoring agency	Name and title of person in charge
1	2	3	4	5	6	7	8	9
				LOUISIANA				
Study factors relating to higher education (1955–71)	X	------	[4] 1955	Executive Committee appointed	Completed 1956	All higher education (emphasis on State-supported institutions)	Louisiana Commission on Higher Education	Clark L. Barrow, Executive Secretary
Survey of need for higher education in 1st and 2d congressional districts	X	------	1955	Legislative action (Act No. 97 of 1955)	Completed 1957	All higher education	Board of Supervisors Louisiana State University	Gen. T. H. Middleton, President, Louisiana State University
Study and make recommendations relative to a unified system of higher education	X	------	1956	Legislative action (Sen. Con. Res. 34)	Completed 1958	------do------	Joint Legislative Committee on Higher Education	Senator Rex C. McCullough, Chairman
Survey of the need for a State-supported 4-year college for the education of white people of the Caddo Parish area	X	------	1956	Legislative action (H. Con. Res. 32)	Completed 1958	------do------	Louisiana State Board of Education and Louisiana State Department of Education	Clark L. Barrow, Assistant Superintendent for Higher Education
				MAINE				
To study school finances and needs in the State. (The study included a chapter on teachers colleges)	X	------	[5] 1955	Legislature	Completed 1957	State teachers colleges	Legislative Research Committee	Roy U. Sinclair, Chairman
				MARYLAND				
To conduct a thorough analysis of the problem of future expansion of the facilities of the University of Maryland and to make recommendations of the steps needed to meet and handle future enrollments	X	------	1959	Legislative request	In process	University of Maryland and other public higher educational institutions in the State	Governor's Commission on Expansion of the University of Maryland	Edwin Warfield, III, Chairman
				MASSACHUSETTS				
Survey overall needs in higher education	X	------	1957	Legislative action (Ch. 38, General Laws)	Completed 1958	Public higher education	Special Commission on Audit of State Needs	John Powers Mallon, Executive Secretary
Space utilization and building needs to 1971	X	------	1959	Chapter 604, Acts of 1959	Report due	Nine State teachers colleges, Massachusetts College of Art, and Lowell Technical Institute	Massachusetts Division of Building Construction	Becker and Becker Associates, N.Y.

See footnotes at end of table.

Education, 1956–1959: Analytical tabulation of basic data—Continued

Financing of study		Areas covered by study								Report of study			
Financing agency	Amount of funds available [3]	Enrollment	Organization and administration	Finance	Physical facilities	Program	Faculty	Junior college	Other	Date published	Publishing agency	Report available	
												Yes	No
10	11	12	13	14	15	16	17	18	19	20	21	22	23
LOUISIANA													
State	$260,000 (for preliminary and final reports)	X	X	X	X	X	X	X		1956	Louisiana Commission on Higher Education		X
do	$50,000	X	X	X	X	X	X			1957	Louisiana State University		X
do	Appropriation for Interim Committees								Coordination	1958	Joint Legislative Committee on Higher Education	X	
do	State Department of Education general operations appropriation	X	X	X	X	X	X			1958	State Department of Education		X
MAINE													
State	$25,000	X	X	X	X	X	X			1957	J. L. Jacobs Co.	X	
MARYLAND													
State		X	X	X	X	X	X	X		1960	Governor's Commission on Expansion of the University of Maryland	X (limited)	
MASSACHUSETTS													
State		X	X	X	X	X		X	Special reference to community colleges	1958	Special Commission on Audit of State Needs	X	
do	$78,000	X	X		X	X	X						X

PART II.—State Studies for Advance Planning in Higher

Stated purpose	Type of study		Date authorized	How authorized	Status (as of Jan. 1960)	Institutions included	Auspices of study	
	A [1]	B [2]					Sponsoring agency	Name and title of person in charge
1	2	3	4	5	6	7	8	9
MICHIGAN								
Study, and recommend ways and means of meeting increased needs of higher education	X		[4] 1955	Legislative action	Completed 1958	All higher education	Michigan Legislative Study Committee on Higher Education	John Dale Russell, Director of Survey
Survey status of education for pharmacy		X	[5] 1953	Resolution of Legislature	Completed 1956	All pharmacy schools in State	Michigan Council of State College Presidents	Richard A. Deno, Chairman of Study Group
Study of programs in area of forestry		X	[5] 1953	do	Completed 1956	Michigan College of Mining and Technology; Michigan State University; University of Michigan	do	Stanley G. Fontana, Chairman of Study Group
Study of field and extension service		X	[5] 1953	do	Completed 1956	State-supported institutions of higher education	do	Everett J. Soop, Chairman of Study Group
Study of status of programs in music		X	[5] 1953	do	Completed 1956	do	do	Earl V. Moore, Chairman of Study Group
MINNESOTA								
Study role of junior college in Minnesota	X		1955	State Board of Education; Governor's Committee on Higher Education	Completed 1958	Junior colleges	State Department of Education and Governor's Committee on Higher Education	Robert J. Keller; Roy F. Meyer; and Harry Lokken
Review present and future needs on higher education (1956–70)	X		1956	Executive action	Completed 1956	All higher education	Governor's Committee on Higher Education	Robert J. Keller, Staff Director
Investigate and study all needs relating to higher education	X		1957	Legislative action	Completed 1959	do	Legislative Commission on Higher Education	Robert J. Keller, Director of Research
MISSISSIPPI								
Presentation of operational finances and other pertinent data		X			Completed 1958	Public higher education	Board of Trustees, Institutions of Higher Learning	E. R. Jobe, Executive Secretary
Presentation of data on instructional operations		X		do	do	do	do	do
Presentation of operational finances and other pertinent data		X			Completed 1959	do	do	do
Presentation of data on instructional operations		X		do	do	do	do	do

See footnotes at end of table.

Education, 1956–1959: Analytical tabulation of basic data—Continued

Financing of study		Areas covered by study								Report of study			
Financing agency	Amount of funds available [2]	Enrollment	Organization and administration	Finance	Physical facilities	Program	Faculty	Junior college	Other	Date published	Publishing agency	Report available	
												Yes	No
10	11	12	13	14	15	16	17	18	19	20	21	22	23
MICHIGAN													
State and W. K. Kellogg Foundation	$166,000	X	X	X	X	X	X	X	Control and coordination	1958	Legislative Study Committee on Higher Education	X	
Michigan Council of State College Presidents					X	X			Coordination	1956	Michigan Council of State College Presidents	X	
do		X	X		X	X			Need for trained personnel	1956	do	X	
do		X	X			X			Coordination	1956	do	X	
do		X				X	X		Coordination; nature of magnitude of future needs	1956	do		
MINNESOTA													
State		X	X	X	X	X	X	X		1958	State Department of Education	X	
do		X	X	X	X	X	X	X	Educational TV	1956	Governor's Committee on Higher Education	X	
do	$30,000	X	X	X				X		1959	Legislative Commission on Higher Education	X	
MISSISSIPPI													
		X	X	X	X	X	X			1958	Board of Trustees, Institutions of Higher Learning	X	
		X				X			Cost of institutional operations; class size	1958	do	X	
		X	X	X	X	X	X				do	X	
		X				X			Cost of institutional operations; class size		do	X	

PART II.—State Studies for Advance Planning in Higher

Stated purpose	Type of study		Date authorized	How authorized	Status (as of Jan. 1960)	Institutions included	Auspices of study	
	A [1]	B [2]					Sponsoring agency	Name and title of person in charge
1	2	3	4	5	6	7	8	9
				MISSOURI				
Planning to meet State needs for higher education	X	------	1956	Higher Education Division of Missouri State Teachers Association	Completed 1957...	All higher education	Higher Education Division, Missouri State Teachers Association	Allan O. Pfnister, Professor of Education, University of Chicago
				MONTANA				
Study organization and administration of higher education	X	------	1958	Joint agreement—Montana Legislative Council and Governor's Committee on Education Beyond the High School	Completed 1958...	Higher education, chiefly State University System	Montana Legislative Council and Governor's Committee on Education Beyond the High School	G. Homer Durham, Vice President, University of Utah
				NEBRASKA				
To inform the Legislature of the needs of higher education institutions in State during coming years and methods of financing needs during next ten years	X	------	1959	Legislative action.	In process.....	All higher education	Nebraska Legislative Council	Senator Richard Marvel and a committee of 6 other senators
				NEVADA				
Comprehensive survey of University of Nevada	X	------	[4] 1955	Legislative action.	Completed 1956...	University of Nevada	Legislative Commission	Dean E. McHenry, Director
				NEW JERSEY				
Survey facilities, particularly concerned with undergraduate enrollment trends, 1954-73	X	------	[4] 1955	Resolution adopted by State Board of Education	Completed 1956...	All higher education	State Board of Education	Marshall P. Smith, Director
Establish plan for meeting problem of increasing college enrollments	X	------	1956	Request of State Board of Education	Completed 1957...	.....do.....	.....do.....	Earle E. Mosier and Frank B. Stover, Directors of Study

See footnotes at end of table.

Education, 1956–1959: Analytical tabulation of basic data—Continued

Financing of study		Areas covered by study								Report of study			
Financing agency	Amount of funds available [2]	Enrollment	Organization and administration	Finance	Physical facilities	Program	Faculty	Junior college	Other	Date published	Publishing agency	Report available	
												Yes	No
10	11	12	13	14	15	16	17	18	19	20	21	22	23
MISSOURI													
Colleges of the State	Approximately $3,500	X			X		X			1957	Higher Education Division, Missouri State Teachers Association		X
MONTANA													
		X	X	X	X	X	X	X		1958	Montana Legislative Council	X	
NEBRASKA													
Nebraska Legislative Council	Not to exceed $30,000	X	X	X	X	X	X	X	All phases of higher education needs		Nebraska Legislative Council		
NEVADA													
	$25,000	X	X	X	X	X	X			1956	Nevada Legislative Counsel Bureau	X	
NEW JERSEY													
State	$14,825	X		X	X	X	X	X		1956	State Board of Education	X	
		X		X	X	X	X	X		1957	do	X	

PART II.—State Studies for Advance Planning in Higher

Stated purpose	Type of study		Date authorized	How authorized	Status (as of Jan. 1960)	Institutions included	Auspices of study	
	A [1]	B [2]					Sponsoring agency	Name and title of person in charge
1	2	3	4	5	6	7	8	9
NEW MEXICO								
Annual survey of fiscal data	------	X	1956–59	Board of Educational Finance	Completed	Public higher education	Board of Educational Finance	D. C. Moyer, Executive Secretary
Study of class size and teaching loads	------	X	1956–59	----do----	In process for 1958–59, 1959–60	----do----	----do----	----do----
Geographical distribution of students	------	X	1957	----do----	Completed	----do----	----do----	----do----
Inventory of plants, plant space and level of space utilization	------	X	1957 and 1959	----do----	1957 completed. 1959 in process	----do----	----do----	----do----
Study of intercollegiate athletic programs and practices in State	------	X	1959	----do----	----do----	----do----	----do----	----do----
Study of tuition and fee charges, with policy determination	------	X	1959	Board of Educational Finance	----do----	----do----	----do----	----do----
Survey of need for added educational institutions beyond high school and method of financing	X	------	1959	Legislature	----do----	----do----	Legislative Finance Committee	Inez B. Gill, Legislative Fiscal Analyst
NEW YORK								
Study needs and facilities of higher education	------	X	1956	Board of Regents, University of State of New York	Completed 1957	All higher education	Board of Regents, University of the State of New York	Philip A. Cowen, Director of Study
Needs and facilities in professional nursing education	------	X	1957	Board of Regents	Completed 1959	All institutions	Nurse Resources Study Group, Regent D. F. Maurillo, Chairman	----do----
Needs and facilities in dental education	------	X	1958	State Education Department	Completed 1958	Three dental schools in State	Education Department	----do----
Needs and facilities of public higher education in City of New York	X	------	1959	Board of Higher Education, City of New York	In process	Public higher education (2- and 4-year and master's degree programs)	Board of Higher Education, City of New York	Hon. Mary S. Ingraham, Chairman, Committee to Look to the Future
Needs and facilities in dental education	------	X	1959	State Education Department	Completed 1959	Three dental schools in New York State	Education Department	Joseph C. Jurjevich, Jr., Research Associate.
Updating of study of facilities reported in 1957 by Board of Regents	------	X	1959	State Education Department	In process	All institutions	----do----	Philip A. Cowen, Director of Study
Overall review of needs to 1980	------	X	1959	Executive Department; and State Education Department	In process	----do----	----do----	Sidney G. Tickton, Director of Study

See footnotes at end of table.

Education, 1956–1959: Analytical tabulation of basic data—Continued

Financing of study		Areas covered by study								Report of study			
Financing agency	Amount of funds available [3]	Enrollment	Organization and administration	Finance	Physical facilities	Program	Faculty	Junior college	Other	Date published	Publishing agency	Report available	
												Yes	No
10	11	12	13	14	15	16	17	18	19	20	21	22	23
NEW MEXICO													
Board of Educational Finance		X		X	X		X			Each June	Board of Educational Finance	X	
do				X		X	X			Each spring	do	X	
do		X							Sources of students	Each June	do	X	
do					X					1957	do	X	
do			X	X		X	X		Determination of cost for adequate program		do		
do		X		X		X					do		
Legislature		X	X	X	X	X		X			Legislative Finance Committee		
NEW YORK													
State		X	X	X	X	X	X	X		1957	University of State of New York	X	
do		X		X	X	X	X			1959	State Education Department	X	
do		X		X	X	X	X			1958	do		X
Board of Higher Education	Initial $5,000 (additional funds as required)	X	X	X	X	X	X	X					
State		X		X	X	X				1959	State Education Department	X	
State		X	X	X	X	X	X	X			do		X
State		X	X	X	X	X	X	X			do		

PART II.—State Studies for Advance Planning in Higher

Stated purpose	Type of study		Date authorized	How authorized	Status (as of Jan. 1960)	Institutions included	Auspices of study	
	A [1]	B [2]					Sponsoring agency	Name and title of person in charge
1	2	3	4	5	6	7	8	9
				NORTH CAROLINA				
Determine the present quantitative content of curricula for teacher training	.....	X	1959	Action of State Board of Education	Completed 1959...	Twelve State-supported colleges and twenty-two private colleges (All colleges having teacher training programs)	North Carolina Board of Higher Education	Harrison Purks, Director; Charles H. Little, Jr., Research Associate
				NORTH DAKOTA				
Study organization, administration and financing of special education, public schools, and schools of higher learning	X	.....	1957	Legislative action (H. Conc. Res.)	Completed 1958..	Public higher education (private higher education on voluntary basis)	Legislative Research Committee	Ernest V. Hollis, Director, and S. V. Martorana
				OHIO				
Determine policy to be followed in meeting problems arising from expanding college enrollments	X	.....	[4] 1955	Meeting of Ohio College Association	Completed 1956..	All higher education	Committee on Expanding Student Population	John Dale Russell, Director of Study
Examine various phases of post-high school education in Ohio; prepare recommendations for future development	X	.....	1957	Governor's action at request of Ohio College Association	Completed 1958..	....do.....	State of Ohio.....	John C. Baker, Chairman; C. E. Ficken, Executive Secretary
				OKLAHOMA				
Study needs of State-supported higher education	X	.....	.....	.....	In process.....	State-supported higher education institutions	Alumni Council...	.....
Study various phases of higher education	X	.....	1959	Legislative action (S. Conc. Res. 18)	....do	.....	Legislative Committee number 18	.....
Study needs of higher education	X	.....	.....	By Oklahoma Education Association	....do.....	.....	Subcommittee on Higher Education	Marshall Gregory, Research Director
Study various aspects of higher education (6 studies)	.....	X (6)	.....	.....	....do.....	.....	Oklahoma Regents for Higher Education	.....
				OREGON				
To determine needs for various levels and types of "vocational-technical education"	X	.....	1957	Oregon State Board of Education	Completed 1958...	Vocational-technical education institutions	State Board of Education	William R. Flesher, Director of Survey
Present factors to be considered in advance planning of higher education in Oregon (1960-70)	.....	X	.....	.....	Completed 1959...	Oregon State System of Higher Education	Oregon State System of Higher Education	John Richards, Chancellor

See footnotes at end of table.

Education, 1956–1959: Analytical tabulation of basic data—Continued

Financing of study		Areas covered by study								Report of study			
Financing agency	Amount of funds available [3]	Enrollment	Organization and administration	Finance	Physical facilities	Program	Faculty	Junior college	Other	Date published	Publishing agency	Report available	
												Yes	No
10	11	12	13	14	15	16	17	18	19	20	21	22	23
NORTH CAROLINA													
						X (of prospective teachers)				1959	North Carolina Board of Higher Education	X	
NORTH DAKOTA													
		X	X	X	X	X	X	X		1958	Legislative Research Committee	X	
OHIO													
Rockefeller Foundation and Ohio College Association	$15,000	X	X	X	X	X	X	X		1956	Ohio College Association	X	
State	$25,000	X	X	X	X	X	X	X		1958	Ohio Commission on Education Beyond the High School	X	
OKLAHOMA													
		These studies cover various problem areas in higher education											
OREGON													
State	$54,850	X	X	X	X	X	X			1958	School Survey Service, Columbus, Ohio	X	
		X		X	X	X	X			1959	Oregon State System of Higher Education	X	

PART II.—State Studies for Advance Planning in Higher

Stated purpose	Type of study		Date authorized	How authorized	Status (as of Jan. 1960)	Institutions included	Auspices of study	
	A [1]	B [2]					Sponsoring agency	Name and title of person in charge
1	2	3	4	5	6	7	8	9
	PENNSYLVANIA							
Survey, analyze, and appraise existing or proposed programs in higher education	X	.....	[4] 1955	Request of Governor	Completed 1957...	All higher education	Commission on Higher Education	Paul R. Anderson, Chairman
Study problems facing higher education in Pennsylvania	X	.....	1957	Legislative action (H. Res. 107, 1957 Sess.)	Completed 1959...	.....do.....	Joint State Government Commission (Advisory Panel)	Edison Montgomery, Director, Office of Institutional Planning, Univ. of Pittsburgh
Coordinate efforts of secondary schools, colleges, and professional schools in order to secure greater educational continuity	X	.....	1958	Action of Regional Commission established by local initiative	Completed 1959...	Selected secondary schools, colleges and professional schools (Upper Ohio Valley Region)	Regional Commission on Interrelationships of Secondary Schools, Colleges and Professional Schools	J. Steele Gow, Jr., Staff Director
	RHODE ISLAND							
Outline higher education needs; present plans to meet needs	X	.....	1957	Approval by Commission to Study Higher Education	Completed 1959...	All higher education	Commission to Study Higher Education	Edwin F. Hallenbeck, Director of Study
Determine the need for and present a plan for establishment of two-year community colleges	X	.....	1959	By resolution of the Legislature; approved by Governor	Completed 1960...	Public two-year higher education	Board of Trustees of State Colleges	.....do.....
	SOUTH DAKOTA							
Present and future needs of State-supported institutions of higher education in South Dakota	X	.....	1959	Concurrent Resolution, 36th Legis. sess.	In process.....	All higher education	Legislative Research Council; Board of Regents; South Dakota Association of Private Institutions of Higher Education; and South Dakota Association of Private and Junior Colleges	S. V. Martorana, Director of Study
	TENNESSEE							
To point up possible improvements and present resources, and to provide design for intelligent planning for future needs	X	.....	[4] 1955	Legislative action.	Completed.....	Public higher education	Legislative Council	Truman Pierce

See footnotes at end of table.

Education, 1956–1959: Analytical tabulation of basic data—Continued

Financing of study		Areas covered by study								Report of study			
Financing agency	Amount of funds available [3]	Enrollment	Organization and administration	Finance	Physical facilities	Program	Faculty	Junior college	Other	Date published	Publishing agency	Report available	
												Yes	No
10	11	12	13	14	15	16	17	18	19	20	21	22	23
PENNSYLVANIA													
State		X	X	X	X	X	X	X		1957	Commission on Higher Education	X	
State		X	X	X	X	X	X	X		1959	University of Pittsburgh	X	
						X			Coordination of educational level	1959	Regional Commission on Interrelationships of Secondary Schools, Professional Schools and Colleges	X	
RHODE ISLAND													
State	$45,500	X		X	X	X		X	Student housing	1959	Commission to Study Higher Education	X	
do		X	X	X	X	X		X		1960	Board of Trustees of State Colleges	X	
SOUTH DAKOTA													
Sponsoring agencies	$15,000; plus staff and other services contributed by Office of Education	X	X	X	X	X	X	X	Characteristics of college student bodies; research & other services to students; future needs	Fall 1960	South Dakota Legislative Research Council		
TENNESSEE													
State		X	X	X	X	X	X		Plant utilization	1957	Tennessee Legislative Council	X	

PART II.—State Studies for Advance Planning in Higher

Stated purpose	Type of study		Date authorized	How authorized	Status (as of Jan. 1960)	Institutions included	Auspices of study	
	A [1]	B [2]					Sponsoring agency	Name and title of person in charge
1	2	3	4	5	6	7	8	9
				TEXAS				
To secure basic data as to how the public junior colleges fit into general pattern of public education and to make recommendations for consideration by State Board for criteria for establishment of new junior colleges	X	------	1956	State Board of Education (Resolution, Mar. 7, 1956)	Completed	Public junior colleges	State Board of Education	W. W. Jackson, Chairman, Junior College Study Commission
				UTAH				
Survey public post-high school education with regard to the need for a coordinating council to be established on a permanent basis	X	------	1957	Legislative action	Completed 1958	Public post-high school institutions	Coordinating Board of Higher Education	William F. Edwards, Co-Director; John T. Walquist, Co-Director
				VERMONT				
Provide data for planning	X	------	----------	President's Committee on Education beyond the High School	Completed	Secondary schools and colleges of Vermont	President's Committee on Education beyond the High School	Committee
				VIRGINIA				
Survey higher education needs in the Tidewater Area of Virginia	X	------	1959	Action of the State Council of Higher Education of the Commonwealth of Virginia	Completed 1959	All higher education institutions in the Tidewater Area	Norfolk Junior Chamber of Commerce, and State Council of Higher Education in Virginia	S. V. Martorana, Survey Director
Survey need for 2-year colleges in Virginia	------	X	1959	----do----------	----do----------	Not applicable	State Council of Higher Education in Virginia	----do----------
Accounting and budgeting in public higher education institutions	------	X	1959	----do----------	In process	All public higher education institutions	----do----------	Lloyd Morey, Consultant
Study and report on tuition charges and relation to cost to the State	------	X	1959	Legislative Resolution	Completed 1959	----do----------	General Assembly	James W. Roberts, Chairman, Commission to Study Tuition Charges, etc.
Study use of all higher education facilities of high schools and colleges	------	X	1959	----do----------	----do----------	All public schools and colleges	----do----------	M. M. Long, Chairman, Virginia Education Facilities Committee

See footnotes at end of table.

Education, 1956–1959: Analytical tabulation of basic data—Continued

Financing of study		Areas covered by study								Report of study			
Financing agency	Amount of funds available [3]	Enrollment	Organization and administration	Finance	Physical facilities	Program	Faculty	Junior college	Other	Date published	Publishing agency	Report available	
												Yes	No
10	11	12	13	14	15	16	17	18	19	20	21	22	23
TEXAS [4]													
State		X	X	X	X	X		X					
UTAH													
State	$25,000	X		X	X		X	X	Coordination of higher education; proposed establishment of Coordinating Council of Higher Education	1958	Coordinating Board of Higher Education	X	
VERMONT													
President's Committee on Education beyond the High School		X	X		X	X	X	X	Vocational education and technical institutes; regional organization of higher education	1957 and 1958	President's Committee on Education beyond the High School (Vermont)	X	
VIRGINIA													
Norfolk Junior Chamber of Commerce	$7,000 survey; $2,500 printing; $30,000 estimated contributed services	X	X	X	X	X		X		1959	State Council of Higher Education	X	
State Council of Higher Education in Virginia	$5,000	X	X	X	X	X		X		1960	do	X	
do				X (accounting & budgeting)							do		
General Assembly									Tuition and costs	1959	Commission to Study Tuition Charges, etc.	X	
do					X					1959	Virginia Education Facilities Committee	X	

PART II.—State Studies for Advance Planning in Higher

Stated purpose	Type of study		Date authorized	How authorized	Status (as of Jan. 1960)	Institutions included	Auspices of study	
	A [1]	B [2]					Sponsoring agency	Name and title of person in charge
1	2	3	4	5	6	7	8	9
				WASHINGTON				
Secure information re: administrative organization and practices of public junior colleges	X	------	----------	----------	Completed 1958...	Public junior colleges	----------	Robert Wilson, Wenatachee Valley College
Re-examine role of junior college, looking toward improvement of administration and support	X	------	----------	State Board of Education	Completed 1957...	Public junior colleges; public and nonpublic 4-year colleges pattern	State Board of Education	Lloyd S. Woodburne, Chairman of Study Committee
Comprehensive study of State needs in education beginning with higher education, particularly the junior colleges, extending through all phases of public education; purpose: to prepare requisite legislation	X	------	1959	Action by Legislature	In process.....	Public higher education; especially community colleges and extended secondary field	State Legislature, Legislative Interim Committee on Education	Senator Andy Hess, Chairman; James F. Nickerson, Executive Secretary
Make a thorough study of the needs for post-high school educational services in all logical regional areas in State	X	------	1959	State Board of Education	.....do.....	Potential community-junior college areas and educational services of less comprehensive nature	State Board of Education	L. J. Elias, Director, Junior Colleges and Extended Secondary Education
				WEST VIRGINIA				
Make available facts and statistics useful in the development of policies and practices for higher education in West Virginia	X	------	[4] 1955	State Legislature..	Completed 195[illegible]...	All public higher education	Joint Committee on Government and Finance; Commission on Interstate Cooperation; and Citizens Advisory Committee	John E. Brewton, Director of Survey

See footnotes at end of table.

Education, 1956–1959: Analytical tabulation of basic data—Continued

Financing of study		Areas covered by study								Report of study			
Financing agency	Amount of funds available [3]	Enrollment	Organization and administration	Finance	Physical facilities	Program	Faculty	Junior college	Other	Date published	Publishing agency	Report available	
												Yes	No
10	11	12	13	14	15	16	17	18	19	20	21	22	23
WASHINGTON													
----------	----------	----	X	----------	----------	----------	----------	X	----------	----------	----------	----------	----
State Board of Education	$5,000	X	X	X	X	X	X	X	----------	1957	State Board of Education	X (limited)	----
State----------	$75,000	X	X	X	X	X	X	X	----------	----------	----------	----------	----
State Board of Education	----------	X	----------	----------	----------	X	----------	X	----------	----------	State Board of Education	----------	----
WEST VIRGINIA													
State----------	$25,000	X	X	X	X	X	X	X	----------	1956	Joint Committee on Government and Finance; Commission on Interstate Cooperation, and Citizens Advisory Committee	X	----

PART II.—State Studies for Advance Planning in Higher

Stated purpose	Type of study		Date authorized	How authorized	Status (as of Jan. 1960)	Institutions included	Auspices of study	
	A [1]	B [2]					Sponsoring agency	Name and title of person in charge
1	2	3	4	5	6	7	8	9
				WISCONSIN				
Provide a knowledge of present facilities and future needs in public higher education	X	.....	[5] 1953	.....	Completed 1956...	Public higher education.	Wisconsin League of Women Voters	Caryl A. Regan, Chairman, Committee on Higher Education
Project building requirements for State colleges	X	.....	.....	.....	.....do.....	State colleges.....	Board of Regents..	State Planning Division: Bureau of Engineering
Continuing study of State-supported higher education needs	.....	X (32)	1955	Legislative action.	Completed 1956-1960	State-supported higher education institutions	Coordinating Committee for Higher Education (Joint Staff)	Joint Staff.....
Examine problems confronting vocational and adult education	X	.....	.....	.....	Completed 1956...	State schools for vocational and adult education		
Review long-range development plans for Wisconsin State colleges	X	.....	1958	By Board of Regents of State Colleges	Completed 1958...	State colleges.....	Board of Regents of State Colleges	Henry M. Ford, Director of Regional Planning, State Planning Division
				WYOMING				
Study Wyoming's public education and recommend remedial legislation	X	.....	[4] 1955	Legislative action (via Legislative Interim Committee)	Completed 1956...	Public community colleges and elementary and secondary education	Second Citizens Committee on Educational Problems	Walter C. Reusser, Director of Research
Determine present situation with respect to post-high school education, the extent and nature of future needs, and how present and future needs can be met effectively and economically	X	.....	1957	Board of Trustees University of Wyoming (proposed by 1957 Legislature to Legislative Interim Committee which asked University to take leadership in study)	Completed 1958...	University of Wyoming and four community colleges in Wyoming	University Steering Committee for the Study of Higher Education in Wyoming, and Citizens Advisory Committee	Walter C. Reusser, Chairman, Committee on Higher Education
				PUERTO RICO				
Study all education in the Commonwealth	X	.....	1957	Legislative Action	Not reported.....	All public and private institutions	Legislature.....	Rodriguez Bou, Permanent Secretary, Superior Educational Council
Total [7].....	72	81	.....	.....	.....	.....	.....	.....

[1] *Special Studies.* Studies conducted as the result of a special mandate or order from the legislature, governor, special commission, or similar body.

[2] *Continuing Staff Studies.* Studies made as part of a continuing program of study and planning for higher education, conducted by agencies specifically established for this purpose, and coordinated by the staffs of these agencies.

[3] Funds for type B studies cannot usually be ascertained, since these funds are part of an overall monetary allocation or appropriation to finance a broad continuing research and study program.

[4] Carried in 1955 Office of Education Survey also.

[5] Not carried in 1955 Office of Education Survey.

Education, 1956–1959: Analytical tabulation of basic data—Continued

Financing of study		Areas covered by study								Report of study			
Financing agency	Amount of funds available [3]	Enrollment	Organization and administration	Finance	Physical facilities	Program	Faculty	Junior college	Other	Date published	Publishing agency	Report available	
												Yes	No
10	11	12	13	14	15	16	17	18	19	20	21	22	23
WISCONSIN													
.....	.....	X	X	X	X	X	X	X	.....	1956	Wisconsin League of Women Voters	X	.....
.....	.....	.....	.....	.....	X	.....	.....	.....	.....	1956	State Planning Division, Bureau of Engineering	X	.....
State.....	.....	These studies cover various problem areas in higher education								1956–60	Coordinating Committee for Higher Education	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1956	Board of Vocational and Adult Education	.....	.....
.....	.....	.....	.....	.....	X	.....	.....	.....	.....	1958	Bureau of Engineering, State Planning Division	X	.....
WYOMING													
State.....	.....	X	.....	X	X	X	.....	X	.....	1956	Citizens' Committee on Educational Problems	X	.....
University of Wyoming	$4,212.34	X	X	X	X	X	X	X	.....	1958	Committee on Higher Education in Wyoming, University of Wyoming	X	.....
PUERTO RICO													
Legislature.....	.....	X	X	.....	.....	X	X	X	Elementary and secondary education; teacher qualifications	.....	.....	.....	X
.....	.....	91	62	75	12	80	60	61	33	.....	.....	.....	.....

[2] Texas also reported for the 1956–1959 quadrennium, a number of continuing staff studies by the Texas Commission on Higher Education. These studies considered many problem areas in higher education. These were not described separately, but were reported to deal with a wide variety of problem areas in higher education.

[3] Totals for "Areas Covered by Study" do not include 6 continuing staff studies reported for Oklahoma and 32 continuing staff studies reported for Wisconsin.

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